



1/9

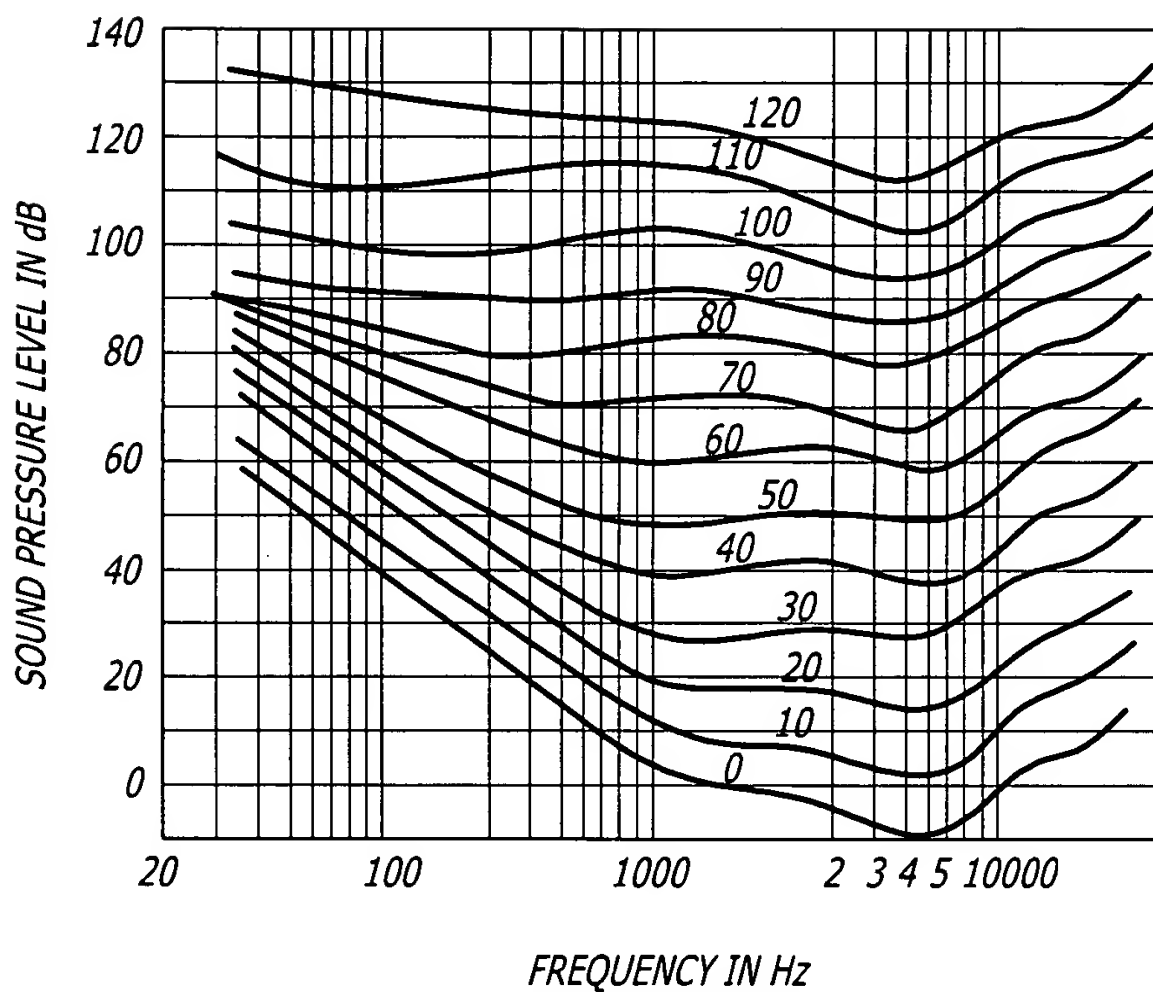


FIG. 1

FREQUENCY IN Hz  
FLETCHER-MUNSON CURVES

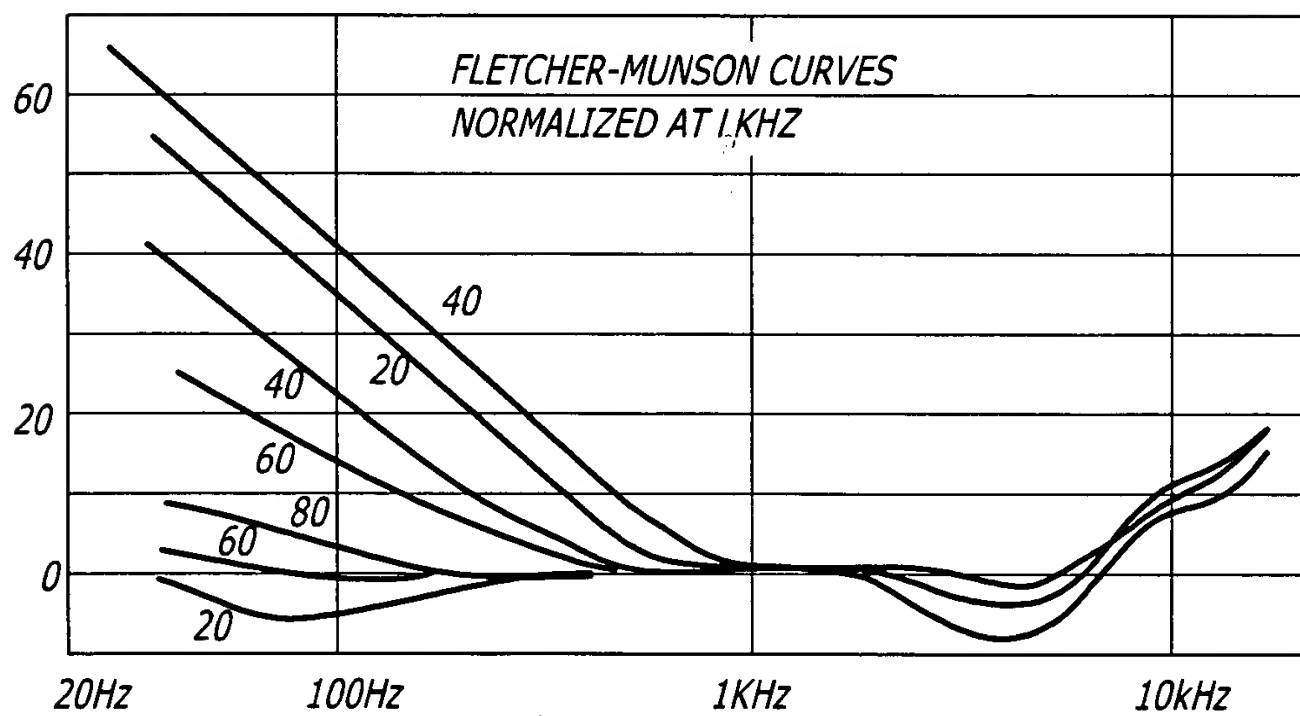


FIG. 2

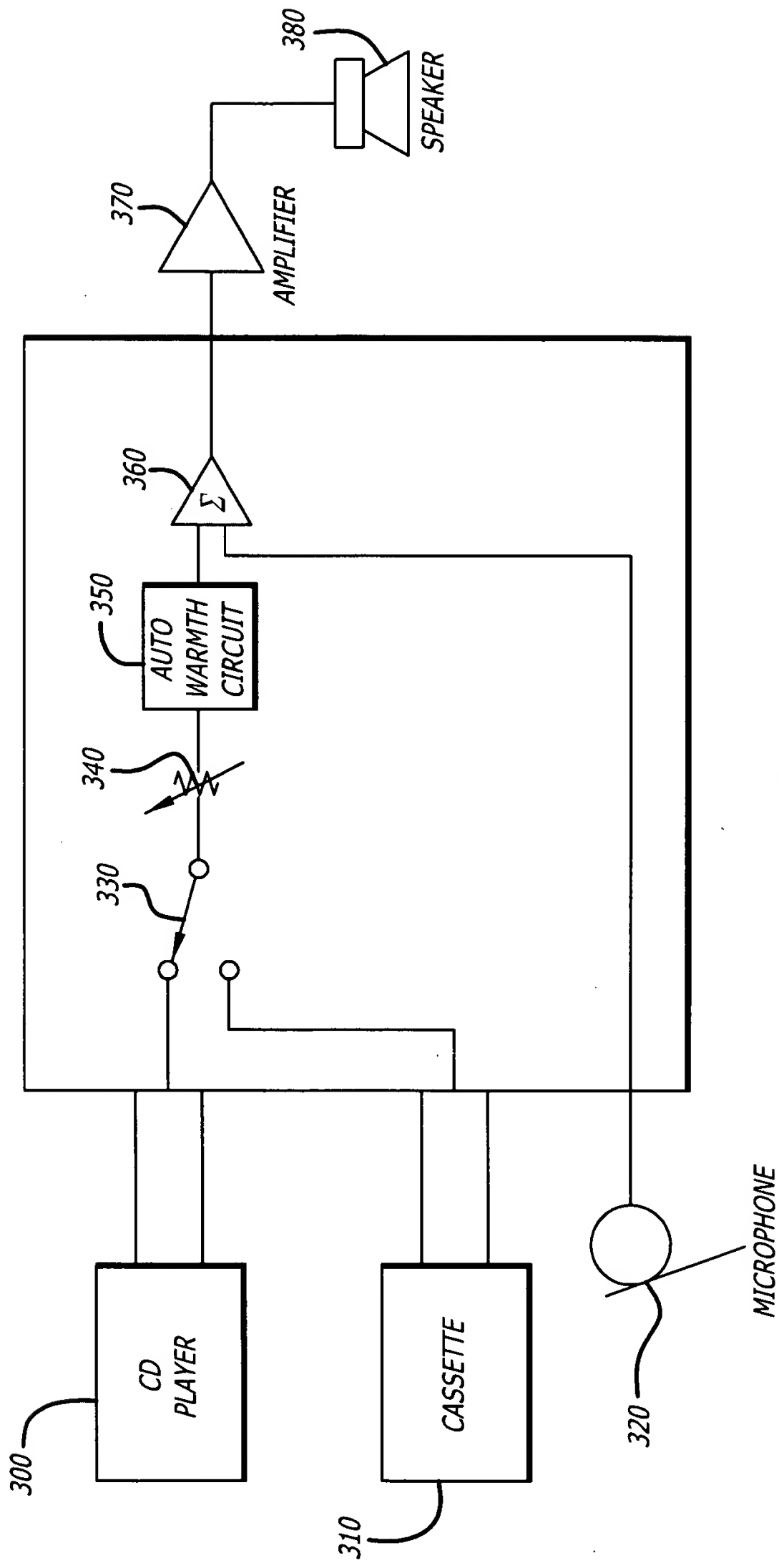


FIG. 3

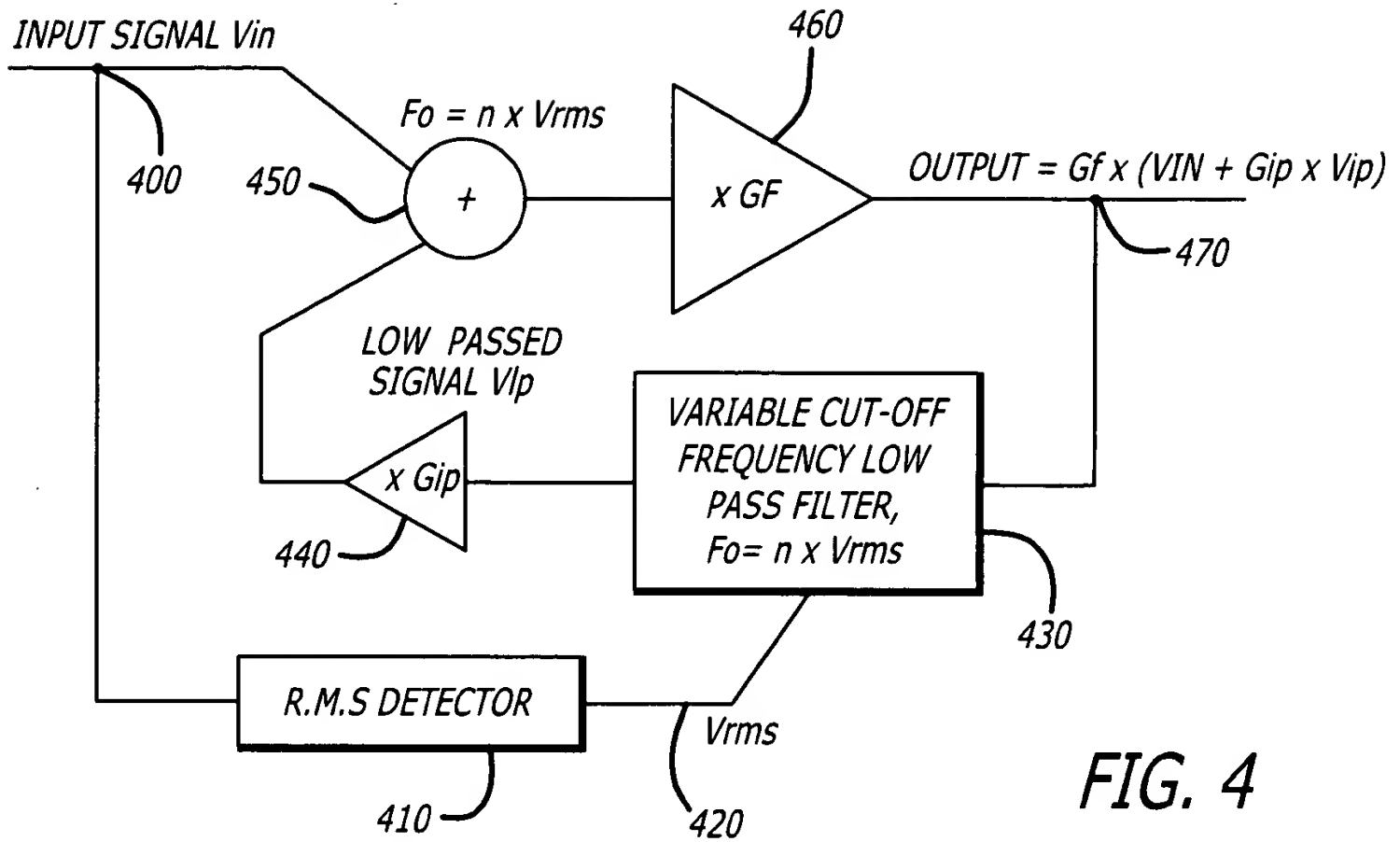


FIG. 6

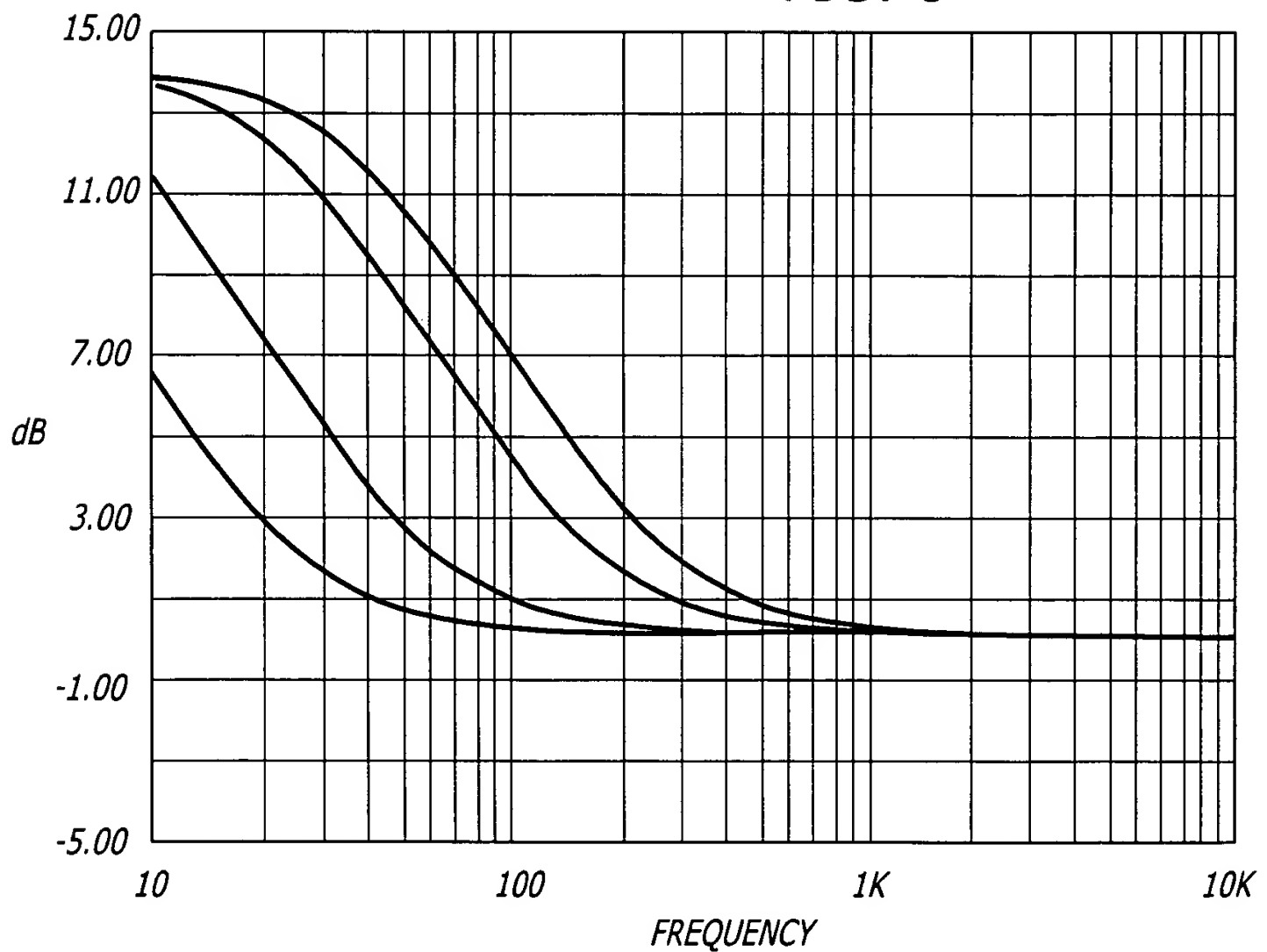


FIG. 5A

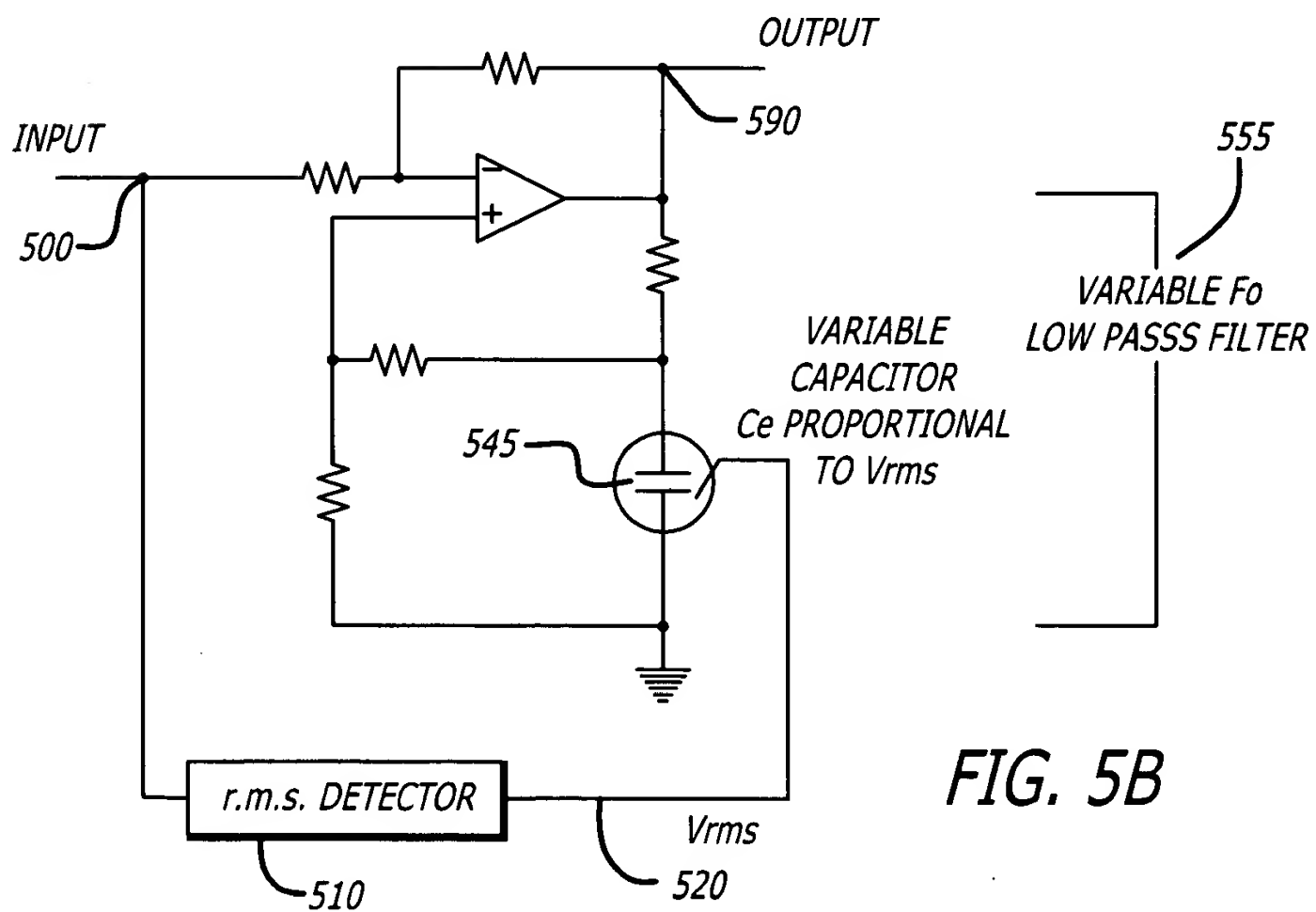
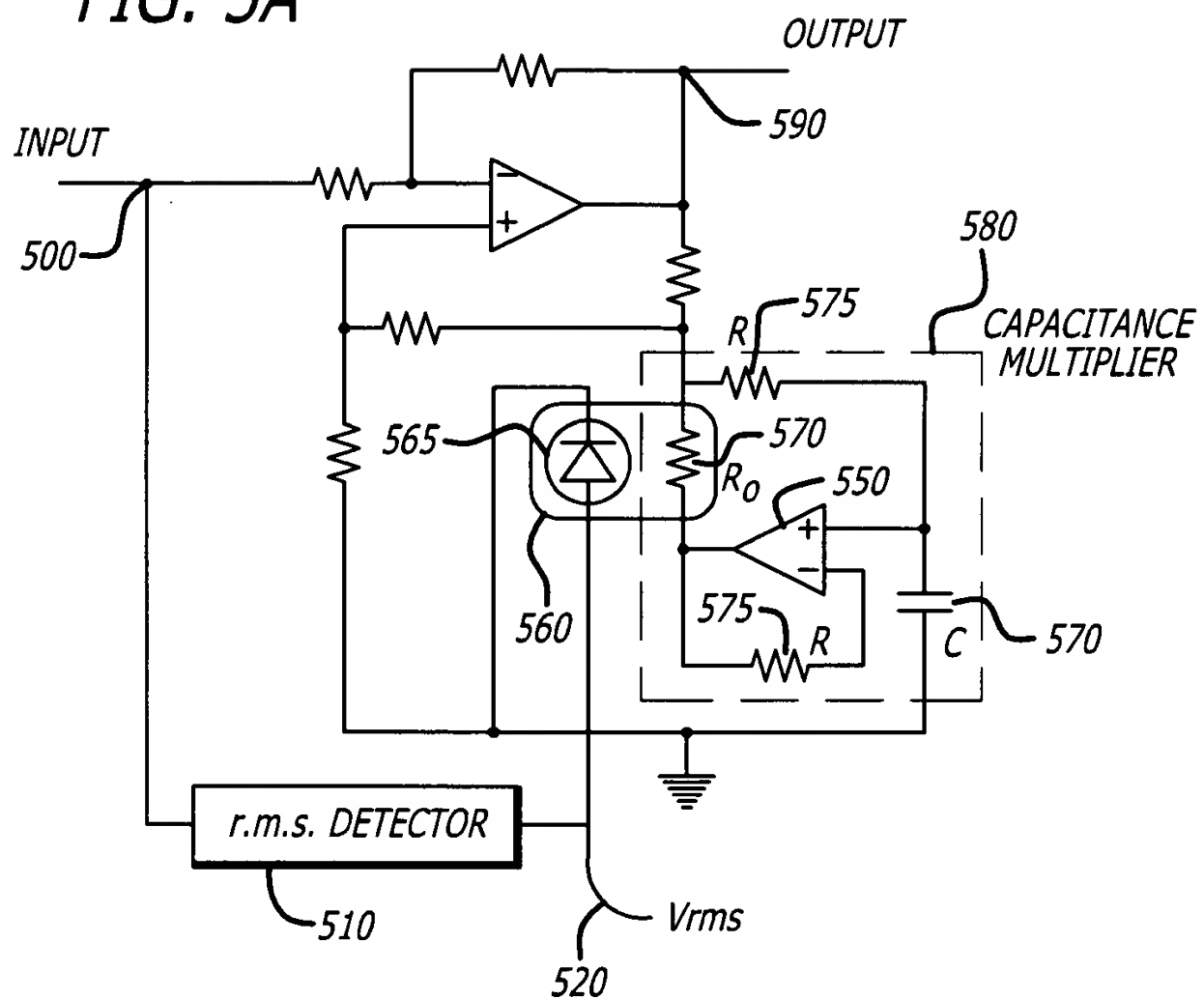
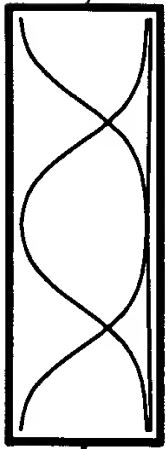


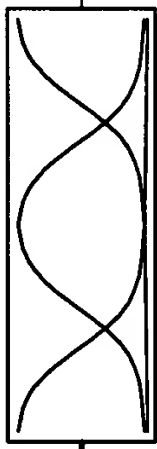
FIG. 5B

702



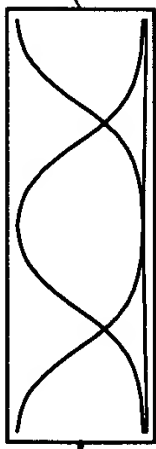
POWER

704



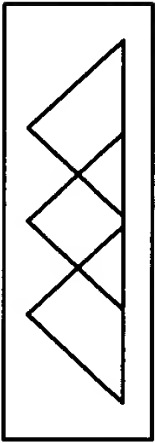
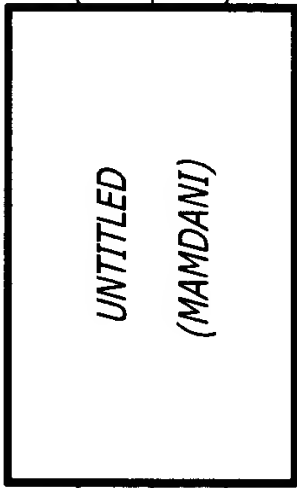
RATE-OF-POWER INCREASE

706

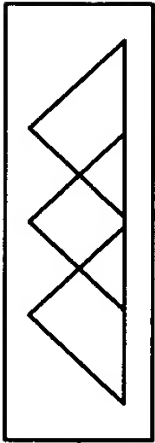


RATE-OF-POWER-DECREASE

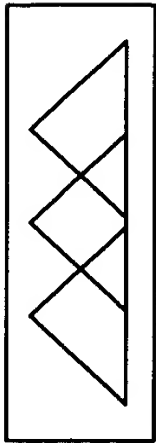
FIG. 7A



CUTOFFFREQUENCY



AMOUNT-OF-BOOST



RATE-OF-POWER-DECREASE

FTS Name: Untitled		FTS Type: maniciani							
<div>And method <input type="text" value="min"/></div> <div>Or method <input type="text" value="max"/></div> <div>Implication <input type="text" value="min"/></div> <div>Aggregation <input type="text" value="max"/></div> <div>Defuzzification <input type="text" value="centroid"/></div>		<div>Current Variable</div> <table border="1"><tr><td>Name</td><td>Power</td></tr><tr><td>Type</td><td>input</td></tr><tr><td>Range</td><td>[0 10]</td></tr></table>		Name	Power	Type	input	Range	[0 10]
Name	Power								
Type	input								
Range	[0 10]								
		<div>Help</div>	<div>Close</div>						
Ready									

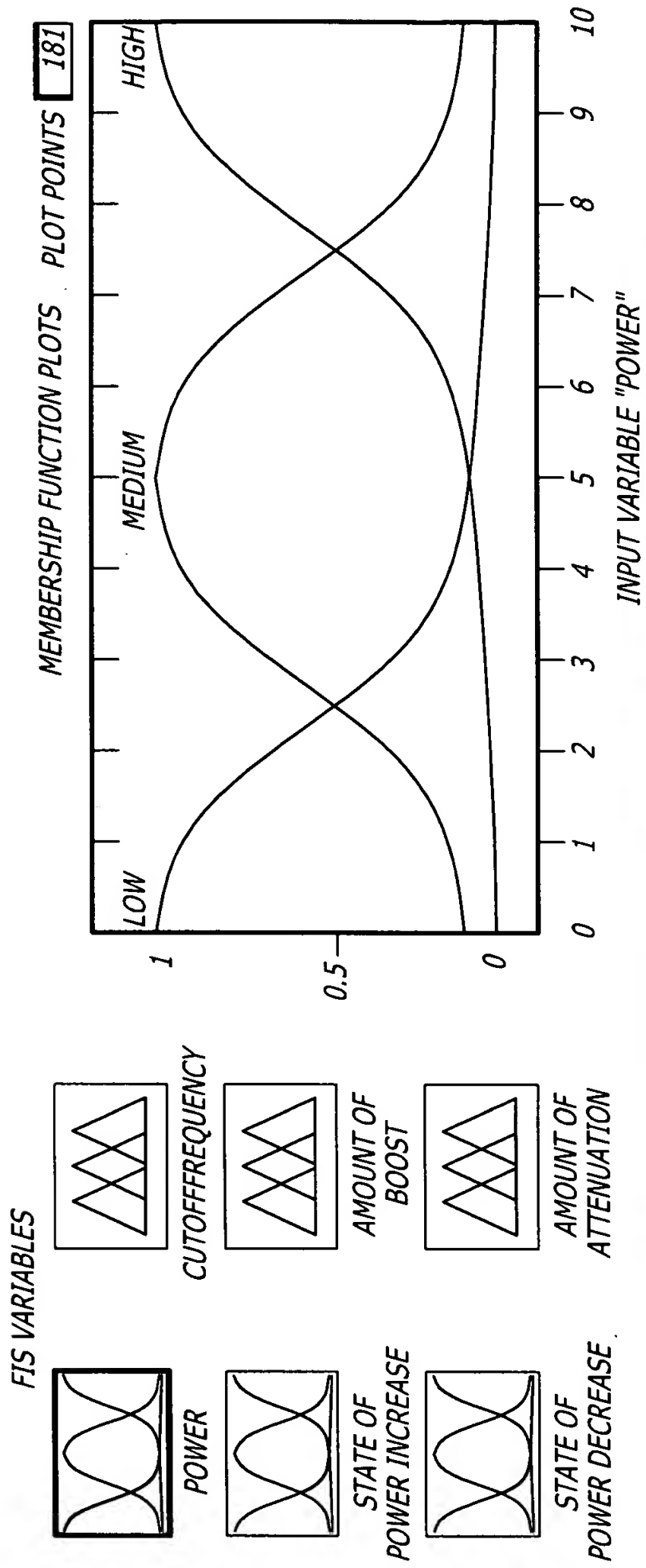


FIG. 7B

**Current Variable**

**Name**

**Type**

**Range**

**Display Range**

**Ready**

**Current Membership Function (click on MF to Select)**

**Name**

**Type**

**Params**

**Help**

**Close**

**FIG. 7C**

1. If (Power is medium) and (rate of decrease is medium) then (cut off frequency is high)(1)  
 2. If (Power is medium) and (rate of decrease is high) then (cut off frequency is large)(amount of boost is high)(1)

If	and	and	Then	and
Power is <input type="checkbox"/> low <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> none		rate of power increase is <input type="checkbox"/> small <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> none		rate of power decrease is <input type="checkbox"/> small <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> none
				cut off frequency is <input type="checkbox"/> small <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> none
				amount of boost is <input type="checkbox"/> small <input type="checkbox"/> medium <input type="checkbox"/> high <input type="checkbox"/> none
Connection      Weight				
<input type="radio"/> or <input type="text" value="1"/>				
<input checked="" type="radio"/> and <input type="button" value="Delete rule"/>				
<input type="button" value="Add rule"/>				
<input type="button" value="Change rule"/>				
<input type="button" value="Help"/>				

The rule is added

POWER

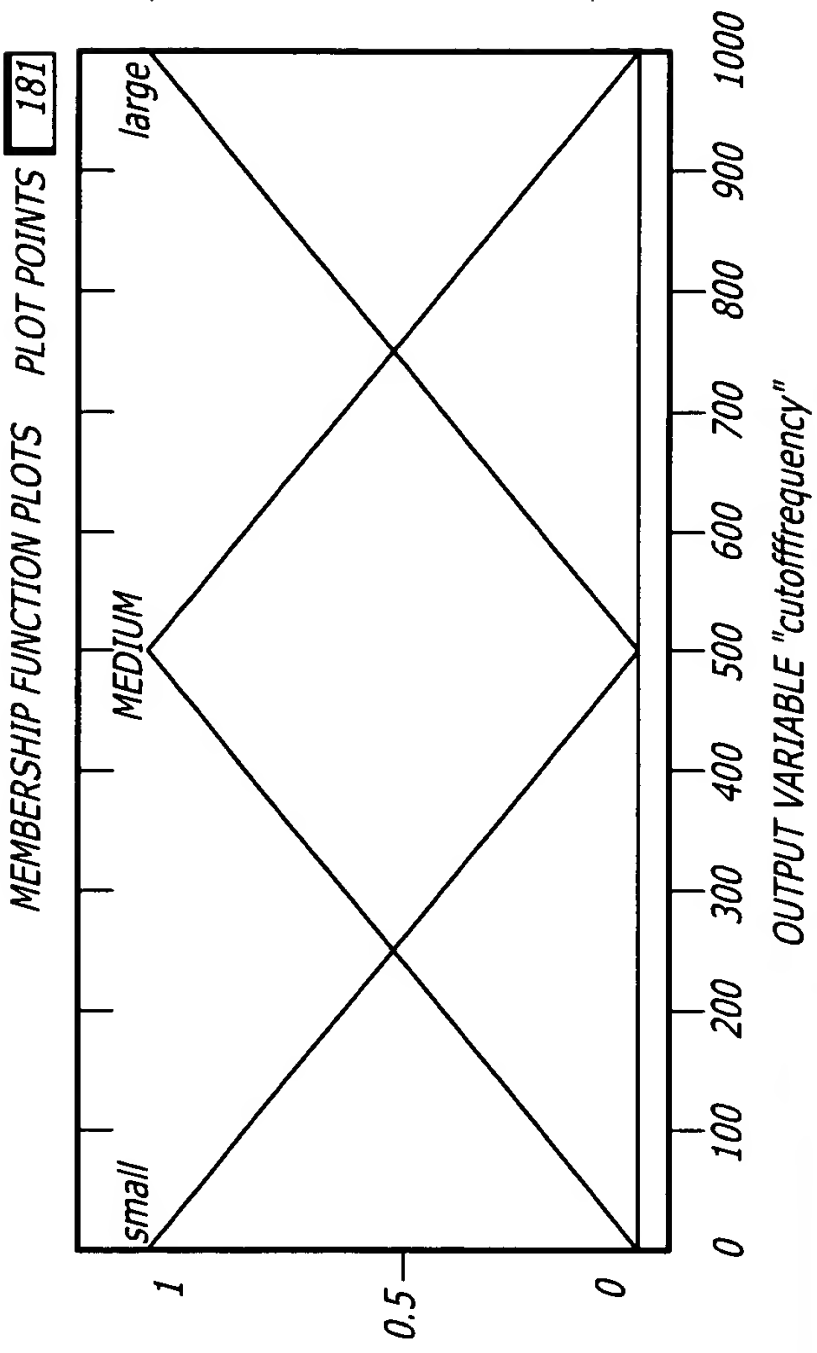
STATE OF POWER INCREASE

STATE OF POWER DECREASE

CUTOFFFREQUENCY

AMOUNT OF BOOST

AMOUNT OF ATTENUATION



Current Variable

Name

cutofffrequency

Type

output

Range

[0 1000]

Display Range

[0 1000]

Current Membership Function (click on MF to Select)

Name

Type

Params

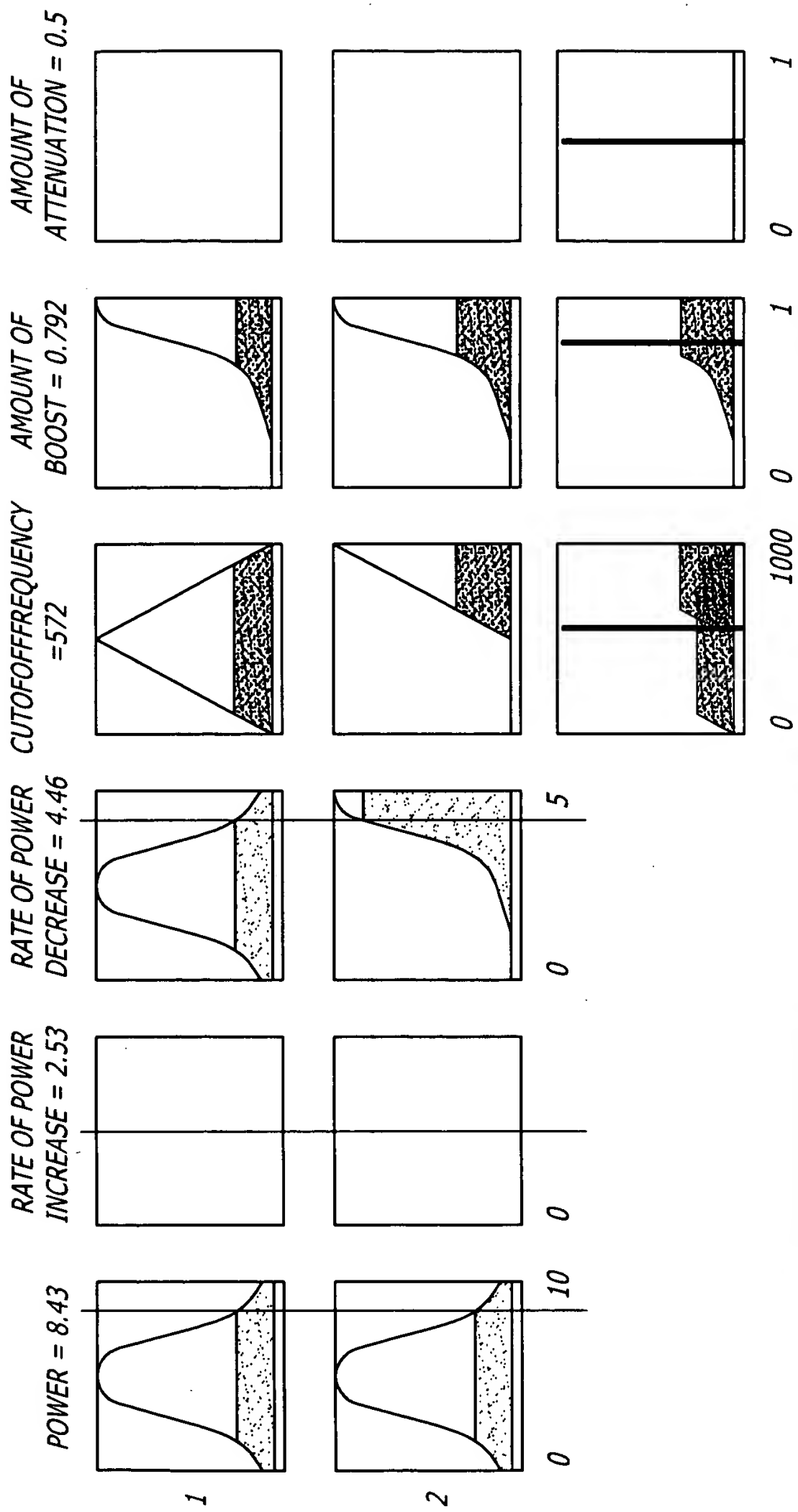
Help

Close

Ready

FIG. 7D





Input

[0 1000]

Plot points

[0 1000]

Move

left

right

down

up

Ready

Help

Close

FIG. 7E